

MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
AIR QUALITY TECHNICAL ADVISORY COMMITTEE MEETING

Thursday, May 5, 2005
MAG Office
Phoenix, Arizona

MEMBERS PRESENT

Stephen Cleveland, City of Goodyear, Chairman
Avondale: Stephanie Prybyl for Michael Powell
#Buckeye: Chris Young for Carroll Reynolds
Chandler: Jim Weiss
Gilbert: Ken Maruyama for Tami Ryall
Glendale: Cathy Chaberski for Doug Kukino
Mesa: Scott Bouchie
Phoenix: Gaye Knight
#Scottsdale: Larry Person
Surprise: David Kohlbeck for Jim Nichols
Tempe: Tamara Bednarik for Oddvar Tveit
*Citizen Representative: Walter Bouchard
*American Lung Association of Arizona: Bill Pfeifer
*Salt River Project: Sunil Varma
Southwest Gas Corporation: Brian O'Donnell
*Arizona Public Service Company: Jim Mikula
#Western States Petroleum Association: Gina Grey
Valley Metro: Betsy Turner for Randi Alcott
*Arizona Motor Transport Association: Dave Berry
Maricopa County Farm Bureau: Jeannette Fish
Arizona Rock Products Association: Steve Trussell
for Rusty Bowers
*Greater Phoenix Chamber of Commerce: Michelle Rill

*Associated General Contractors: Amanda McGennis
Homebuilders Association of Central Arizona:
Bert Acken for Connie Wilhelm-Garcia
*American Institute of Architects - Central Arizona:
Stephen J. Andros
*Valley Forward: Peter Allard
University of Arizona - Cooperative Extension:
Patrick Clay
Arizona Department of Transportation: Beverly
Chenausky
Arizona Department of Environmental Quality: Peter
Hyde
Environmental Protection Agency: Wienke Tax
Maricopa County Air Quality Department: Jo
Crumbaker
*Arizona Department of Weights and Measures:
Duane Yantorno
Federal Highway Administration: Ed Stillings
*Arizona State University: Judi Nelson
*Salt River Pima-Maricopa Indian Community:
B. Bobby Ramirez
*Citizen Representative: David Rueckert

*Members neither present nor represented by proxy.
#Participated via telephone conference call.
+Participated via video conference call.

OTHERS PRESENT

Lindy Bauer, Maricopa Association of Governments
Dean Giles, Maricopa Association of Governments
Julie Hoffman, Maricopa Association of
Governments
Cathy Arthur, Maricopa Association of Governments
Roger Roy, Maricopa Association of Governments

Jeff Baxter, Stevens & Stevens, P.C.
Scott Di Biase, Pinal County
Kathleen Sommer, Arizona Department of
Transportation
Wilson Dunlap, City of El Mirage
Diane Arnst, Arizona Department of Environmental
Quality

1. Call to Order

A meeting of the MAG Air Quality Technical Advisory Committee was conducted on May 5, 2005. Stephen Cleveland, City of Goodyear, Chairman, called the meeting to order at approximately 1:40 p.m. Gina Grey, Western States Petroleum Association, Larry Person, City of Scottsdale, and Chris Young, Town of Buckeye, attended the meeting via telephone conference call.

2. Call to the Audience

Mr. Cleveland stated that, according to the MAG public comment process, members of the audience who wish to speak are requested to fill out comment cards, which are available on the table adjacent to the doorway inside the meeting room. Citizens are asked not to exceed a three minute time period for their comments. Public comment is provided at the beginning of the meeting for nonagenda items and nonaction agenda items. Mr. Cleveland noted that no public comment cards had been received.

3. Approval of the November 4, 2004 Meeting Minutes

The Committee reviewed the minutes from the November 4, 2004 meeting. Peter Hyde, Arizona Department of Environmental Quality, moved and Scott Bouchie, City of Mesa, seconded and the motion to approve the November 4, 2004 meeting minutes carried unanimously.

4. Draft 2005 MAG Conformity Analysis for the Amended FY 2004-2007 MAG Transportation Improvement Program and Regional Transportation Plan

Cathy Arthur, Maricopa Association of Governments, presented the Draft 2005 MAG Conformity Analysis for the Amended FY 2004-2007 MAG Transportation Improvement Program (TIP) and Regional Transportation Plan. She discussed the conformity requirements, and presented the results of the conformity budget test for PM-10, carbon monoxide, and one-hour ozone (volatile organic compounds and nitrogen oxides). Ms. Arthur indicated that the eight-hour ozone nonattainment plan is due June 15, 2007. Until then, two emissions tests for conformity will be used for the eight-hour ozone standard, the adjusted one-hour ozone budgets and the no-greater-than-2002 baseline emissions. Ms. Arthur presented the emissions tests for eight-hour ozone and provided a conformity schedule.

Brian O'Donnell, Southwest Gas Corporation, inquired about the difference in the level of emissions between the 2006 and the 2015 budgets for eight-hour ozone. Ms. Arthur responded that the percent of motor vehicle emissions in comparison to total emissions will be lower in 2015 than in 2006. Mr. Hyde commented on the trend lines for the results of the conformity budget tests for PM-10, carbon monoxide, and one-hour ozone. Ms. Arthur replied that with the stricter federal Tier 2 light duty and heavy duty vehicle controls and low sulfur fuels, VOC and NOx emissions will be decreasing. The largest reductions in carbon monoxide were achieved with Tier 1 Standards and these reductions are built into the carbon monoxide conformity budget. For PM-10, even with a 90 percent cut in exhaust emissions, little benefit is shown since most of the problem is reentrained dust.

Gaye Knight, City of Phoenix, moved to recommend approval of the Draft 2005 MAG Conformity Analysis for the Amended FY 2004-2007 MAG Transportation Improvement Program and Regional

Transportation Plan. Ms. Knight stated that the reductions shown for VOC and NOx emissions are phenomenal. Mr. O'Donnell seconded, and the motion carried unanimously.

5. Conformity Analysis for the New FY 2006-2010 MAG Transportation Improvement Program and Regional Transportation Plan

Dean Giles, Maricopa Association of Governments, provided a status report on the Conformity Analysis for the FY 2006-2010 MAG Transportation Improvement Program and Regional Transportation Plan-2005 Update. Mr. Giles indicated that conformity consultation was conducted on the models, methods and assumptions to be used in the analysis, as well as on regionally significant projects to be assessed. Consultation ended on March 24, 2005. Consultation on the Draft Conformity Analysis will begin on May 17, 2005. Mr. Giles provided a conformity schedule.

Mr. Hyde asked what the relationship is between the two analyses. Mr. Giles responded that the first conformity determination on the TIP and Regional Transportation Plan for the new eight-hour ozone standard must be completed by June 15, 2005. In order to meet this date, the conformity analysis was based on the existing TIP and Regional Transportation Plan. A conformity analysis is now being conducted for the new TIP and Regional Transportation Plan.

6. Proposed Redesignation to Attainment Status for the One-Hour Ozone Standard

Lindy Bauer, Maricopa Association of Governments, informed the Committee that on March 14, 2005, the Environmental Protection Agency proposed a rule to redesignate the Maricopa County nonattainment area to attainment for the one-hour ozone standard. The proposed rule also includes approval of the One-Hour Ozone Redesignation Request and Maintenance Plan, Serious Area One-Hour Ozone Plan and the substitution of the clean fuel fleet program requirement with the cleaner burning gasoline program. The EPA hopes to finalize the rule by June 15, 2005. Ms. Bauer stated that EPA received comments on the proposed rule from the Arizona Center for Law in the Public Interest. The comments were provided to the Committee.

Wienke Tax, Environmental Protection Agency, indicated that EPA has responded to the comments received and drafted the Federal Register notice. She added that a 30-day effective date from the date of publication will not be needed.

7. Update on the Salt River SIP for PM-10

Diane Arnst, Arizona Department of Environmental Quality, presented an update on the Salt River State Implementation Plan for PM-10. She distributed a table of 1999-2004 Implemented PM-10 Most Stringent Measures/Best Available Control Measures by City/Agency. Ms. Arnst requested that the Committee review and provide comments on the table. Mr. Cleveland inquired about how the information should be submitted. Ms. Tax indicated that she will report back on this issue. Ms. Knight asked if the information in the table is only since 1999. Ms. Arnst responded that was correct.

Mr. O'Donnell asked how the table relates to the Salt River SIP for PM-10. Ms. Arnst replied that the Plan was submitted; however, a couple of items still needed to be addressed. She indicated that ADEQ will be holding a public hearing and then will submit the remaining pieces of the Plan to

EPA. Mr. Cleveland asked when ADEQ would like comments on the table. Ms. Arnst asked that all information be submitted to ADEQ by May 13, 2005.

8. Update on the MAG Silt Loading Study

Ms. Arthur presented an update on the MAG Silt Loading Study that is designed to improve the estimation of PM-10 emissions from paved roads in the Maricopa County PM-10 nonattainment area. She provided the background and indicated that on March 23, 2005, the MAG Regional Council approved the College of Engineering, Center for Environmental Research and Technology, University of California, Riverside as the consultant for the project. Ms. Arthur described how the Study would be conducted and provided a schedule. Ms. Arthur added that a similar study was done in Las Vegas. She also mentioned that the MAG Traffic Count Study will run concurrently with and provide count data for the MAG Silt Loading Study.

Jim Weiss, City of Chandler, inquired about the results of the Las Vegas study. Ms. Arthur replied that the Las Vegas study is a little different in that silt loadings were taken at the same time the instrumented vehicle was collecting data. The MAG Silt Loading Study will not collect silt loadings. She added that the data from the Las Vegas study is still being processed.

Mr. Hyde inquired about how the Study would impact the PM-10 emissions factors used in air quality plans. Ms. Arthur responded that EPA seemed impressed with the Las Vegas study and that the approach may become an alternative to silt loadings in AP-42. Mr. Hyde pointed out that the Study may show different contributors to PM-10 emissions, which may not make solving the PM-10 problem any easier.

Ed Stillings, Federal Highway Administration, asked if the vehicle measuring paved road emissions will always travel in the same lane of a multi-lane facility. Ms. Arthur replied that the vehicle would likely stay in the same lane, but not rigidly. This could be an important variable. Mr. Stillings commented that the route would be recorded on video, so the lane used could be tracked. Ms. Arthur stated that the traffic counts will be by lane.

Beverly Chenausky, Arizona Department of Transportation, mentioned that street sweeper routes may be obtained for use in the Study. Ms. Arthur confirmed that sweeping schedules will be obtained. Ms. Knight commented on one-third of the route being in the Salt River Study Area. Ms. Arthur replied that the MAG Silt Loading Study is designed to characterize the type of sources that may be contributing to high particulate emissions from paved roads in the PM-10 nonattainment area.

9. Call for Future Agenda Items

Mr. Cleveland announced that the next meeting of the Committee has been tentatively rescheduled for Monday, May 23, 2005. Ms. Bauer stated that an evaluation of proposed Congestion Mitigation and Air Quality Improvement (CMAQ) projects is being conducted. The evaluation will include emission reductions and cost effectiveness information and will be mailed out in advance of the meeting. The Committee will be asked to recommend forwarding the CMAQ evaluation to the MAG Transportation Review Committee, which meets May 26, 2005.